

## ABSTRACT OF THE DISCLOSURE

- 5        A process for fabricating a gas impermeable seal on a porous ceramic surface  
using a thin, glass-based, pinhole free glaze. The process can be used to fabricate  
gas impermeable end seals on porous alumina tubes used as filter media. The  
porous alumina tubes can have an inorganic microporous thin film separation  
membrane on the inner surface, which can be used for high temperature gas  
10 separation processes.